

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Apex Plating and Polishing - Removal Polrep
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region II

Subject: POLREP #8
Final
Apex Plating and Polishing

Linden, NJ
Latitude: 40.6335030 Longitude: -74.2393783

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Date: 9/12/2014

Reporting Period: 8/16/2014 thru 9/10/2014

1. Introduction

1.1 Background

Site Number:	A23V	Contract Number:	EP-S2-10-03
D.O. Number:	TO 87/88	Action Memo Date:	7/31/2014
Response Authority:	CERCLA	Response Type:	Emergency
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	5/8/2014	Start Date:	5/9/2014
Demob Date:	9/10/2014	Completion Date:	9/10/2014
CERCLIS ID:	NJD981184591	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Emergency Removal Action at an abandoned electroplating facility.

1.1.2 Site Description

The Site is a medium sized former electroplating facility that has been abandoned for approximately 3 years.

1.1.2.1 Location

The Apex Plating and Polishing Site is a former electroplating facility located at 725 Commerce Road in Linden, New Jersey. The Site is located in a commercial section of the city. The Site is bordered by businesses to the North, South and East and by Linden Park Cemetery to the West. The nearest business is approximately 25' from the southern site border. The nearest residences are approximately 1/4 mile south west of the Site. New Jersey State Highway 1, a major thoroughfare, is approximately 100 yards to the East. The city of Linden is a major metropolitan area of approx. 50,000 residents.

1.1.2.2 Description of Threat

The Site was under a NJDEP clean up order for EP chemicals however, the owners/operators died before completing the clean-up. Heirs of the property have no clear ability to continue the clean up and have abandoned the Site. On May 7, 2014, a NJDEP RCRA inspector visited the Site and determined that materials had been abandoned and that the building was in poor condition. The inspector informed the NJDEP Bureau of Emergency Response (BER) who responded to the scene. DEP responders observed numerous drums and containers of chemicals, some of which were leaking. There was no power or fire suppression capability in the building and the roof had several openings to the environment. Due to the potential for rain events over the coming days, DEP contractors overpacked several containers of cyanides. NJDEP BER contacted the National Response Center (NRC) and filed report number 1082061. NJDEP requested that EPA meet them at the facility the following morning.

On May 8, 2014, EPA OSCs from the Response and Prevention Branch met NJDEP BER personnel at the Site to conduct an assessment to determine eligibility for a potential EPA Removal Action. A joint DEP/EPA entry into the building confirmed the presence of several hundred containers of acids, cyanides, peroxides and other chemicals. Based on the poor condition of many of the drums and containers, the leaking roof and generally poor and unsecured condition of the building, EPA informed DEP that the site would meet the criteria for a removal action to be initiated. The Site was officially referred to EPA by DEP later that same day. EPA and their contractor mobilized to the Site on the morning of May 9, 2014.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

The Site assessment confirmed the presence of nearly 1000 containers varying in size from 55 gallon drums to small laboratory jars. Materials abandoned at the Site include copper cyanide, nickel cyanide, potassium cyanide, silver cyanide, multiple acids, peroxides, spent plating solutions containing cyanides and many containers of unknown chemicals. The structure is in generally poor condition with broken windows and water leakage via many roof openings.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

On May 8, 2014, EPA OSCs from the Response and Prevention Branch met NJDEP BER personnel at the Site to conduct an assessment to determine eligibility for a potential EPA Removal Action. During the assessment, DEP informed EPA that the facility owners/operators were deceased and that the property and materials had been abandoned for approximately 3 years. A joint DEP/EPA entry into the building

confirmed the presence of several hundred containers of acids, cyanides, peroxides and other chemicals. Based on the poor condition of many of the drums and containers, the leaking roof and generally poor and unsecured condition of the building, EPA informed DEP that the site would meet the criteria for a removal action to be initiated. The Site was officially referred to EPA by DEP later that same day.

EPA and their contractor mobilized to the Site on the morning of May 9, 2014. The building was secured as well as possible and arrangements were made for a full contractor crew to arrive at the Site on Monday, May 12, 2014 to begin work. The coordination of obtaining necessary Site services began. On Monday, May 12, 2014, a complete inventory of materials located at the Site was initiated. Also during that week, debris was cleared to allow for safe interior workspace and holes in the roof were repaired to prevent water leakage into the building and a contamination reduction area was completed.

All field work at the Site was completed on 9/10/2014. All equipment and personnel have been demobilized. All waste has been shipped from the Site. The last load of waste was shipped on 9/9/2014.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

At this time it appears that there are no viable PRPs for the Site. The search for viable PRPs is continuing.

2.1.4 Progress Metrics

A total of 1027 containers of various sizes were generated at the Site. This included containers found at the Site and containers generated during the clean out of vats, tanks, trenches and sumps located at the Site. The 1027 containers were consolidated into 420 containers. Of the 420 containers, 110 were small lab pack containers, 292 were 55 gallon drums and the remainder ranged in size from 5 to 30 gallons. In addition, a total of 120 cubic yards of contaminated debris were removed from the Site for disposal.

Work at the Site included sampling, field categorization, consolidation and segregation of materials located at the Site. In addition, all pits, sumps, vats, trenches, vapor collection and dust collection systems were decontaminated. Finally, the process area floors, sumps and trenches were pressure washed to remove any gross contamination. Wash fluids were collected and properly disposed of with the other waste from the Site.

At this time all work at the Site has been completed and all hazardous materials have been shipped from the Site for proper disposal. No other work by EPA is expected at the Site.

Waste Stream	Medium	Quantity	Manifest #	Treatment	Disposal
Hazardous Waste Solids (F006, F008)	Debris	30 Cubic Yards	012736656JJK	Chemical Treatment (H070)	EQ Michigan
Hazardous Waste Solids (F006, F008)	Debris	30 Cubic Yards	012736657JJK	Chemical Treatment (H070)	EQ Michigan
Hazardous Waste Solids (F006, F008)	Debris	30 Cubic Yards	012736658JJK	Chemical Treatment (H070)	EQ Michigan
Hazardous Waste Solids (F006, F008)	Debris	30 Cubic Yards	012736659JJK	Chemical Treatment (H070)	EQ Michigan
Waste Acetic Acid, Glacial (D001, D002)	Liquid	60 P	000959339GBF	Waste Water Treatment (H135)	Cycle Chem
Waste Corrosive Liquid (D002)	Liquid	200 P	000959339GBF	Neutralization/Waste Water Treatment (H120)	Cycle Chem
Waste Oxidizer Liquid, Corrosive(D001,	Liquid	25 P	000959339GBF	Incineration(H040)	Cycle Chem

D002, D007)					
Waste Corrosive Solids	Solid	60 P	000959339GBF	Stabilization/Landfill (H131)	Cycle Chem
Waste Ammonium Sulfate Solution(D001, D002, D003)	Liquid	1 P	000959339GBF	Incineration(H040)	Cycle Chem
Waste Cyanide Solids (Zinc Cyanide, Sodium Cyanide(D003, P106, P121)	Solid	2 P	000959339GBF	Incineration(H040)	Cycle Chem
Waste Flammable Liquids (Toluene, Gasoline)(D001, U220, D013)	Liquid	40 P	000959339GBF	Fuel Substitution(H050)	Cycle Chem
Solids containing Flammable Liquids (Acetone)	Solid	1 P	000959339GBF	Incineration(H040)	Cycle Chem
Corrosive Liquids(D007)	Liquid	600 G	012096403JJK	Stabilization(H110)	EQ Detroit
Corrosive Liquids (Toxic)(D002, D007, D011, F007, F008)	Liquid	3,300 G	012096404JJK	Storage and Transfer (H141)	EQ Detroit
Waste Toxic Solids(F008)	Solid	6,000 P	012096404JJK	Storage and Transfer (H141)	EQ Detroit
Chromic Acid(D002, D007)	Liquid	200 G	013403270JJK	Chemical Treatment (H070)	Michigan Disposal
Nitric Acid (D002)	Liquid	500 G	013403272JJK	Chemical Treatment (H070)	EQ Detroit
Corrosive Solid, Acidic (D002, D007)	Solid	2,800 P	013403272JJK	Chemical Treatment (H070)	EQ Detroit
Oxidizer Liquid(D001, D002, D007)	Liquid	200 G	013403272JJK	Chemical Treatment (H070)	EQ Detroit
Corrosive Liquid, Basic (D002)	Liquid	100 G	013403272JJK	Stabilization(H110)	EQ Detroit
Non-Hazardous, Non-RegulatedLiquid	Liquid	50 G	013403272JJK	Solidification/Landfill	EQ Detroit
Hazardous Waste Solid (D007)	Solid	6,100 P	013403272JJK	Stabilization(H110)	EQ Detroit
Fluoroboric Acid(D002)	Liquid	15 G	013403272JJK	Stabilization(H110)	EQ Detroit
Corrosive Liquid, Acidic (D002)	Liquid	250 G	013403272JJK	Stabilization(H110)	EQ Detroit
Non RCRA Regulated Liquids	Liquid	500 G	013403278JJK	Solidification/Landfill	EQ Detroit
Non RCRA Regulated Solids	Solid	17,000 P	013403278JJK	Landfill	EQ Detroit
Waste Corrosive Liquids, Basic(D002)	Liquid	150 G	013403294JJK	Stabilization(H110)	EQ Detroit
Waste Flammable Liquid NOS (D001)	Liquid	30 G	013403294JJK	Storage and Transfer (H141)	EQ Detroit
Non RCRA/Non DOT Liquid	Liquid	100 G	013403294JJK	Solidification/Landfill	EQ Detroit

Non Hazardous Waste Liquid NOS	Liquid	250 G	013403294JJK	Solidification/Landfill	EQ Detroit
Hazardous Waste Liquid NOS (D007)	Liquid	250 G	013403295JJK	Storage and Transfer (H141) and Chemical Treatment (H070)	EQ Detroit
Non RCRA/Non DOT Regulated Liquid	Liquid	100 G	013403295JJK	Chemical Treatment (H070)	EQ Detroit
Corrosive Solid, Acidic, Inorganic	Solid	400 P	013403296JJK	Storage and Transfer (H141)	EQ Detroit
Non RCRA/Non DOT Regulated Liquid	Liquid	755 G	013403296JJK	Reclamation (oil); Storage and Transfer (H141); Stabilization(H110)	EQ Detroit
Waste Corrosive Liquid, Basic NOS(D002)	Liquid	50 G	013403298JJK	Stabilization(H110)	EQ Detroit
Non RCRA/Non DOT Regulated Material, Solid	Solid	120 P	013403298JJK	Landfill	EQ Detroit
Non RCRA/Non DOT Regulated Material, Liquid	Liquid	20 G	013403298JJK	Solidification/Landfill	EQ Detroit
Non RCRA/Non DOT Regulated Material, Liquid	Liquid	155 G	013403299JJK	Solidification/Landfill	EQ Detroit
Non RCRA/Non DOT Regulated Material, Solid	Solid	440 P	013403299JJK	Landfill	EQ Detroit
Non RCRA/Non DOT Regulated Material, Solid	Solid	80 P	013403300JJK	Landfill	EQ Detroit
Waste Toxic Solid, Inorganic (F008, D003)	Solid	9,000 P	013403303JJK	Storage and Transfer (H141)	EQ Detroit
Cyanide Plating Solution, NOS(F007)	Liquid	100 G	013403303JJK	Storage and Transfer (H141)	EQ Detroit
Waste Toxic Solid, NOS	Solid	200 P	013403303JJK	Storage and Transfer (H141)	EQ Detroit
Waste Copper Cyanide (P029, D003)	Solid	100 P	013403304JJK	Storage and Transfer (H141)	Michigan Disposal
Waste Sodium Cyanide	Solid	100 P	013403304JJK	Storage and Transfer (H141)	Michigan Disposal
Waste Polychlorinated Biphenyls (Light Ballasts)	Solid	20 K	013403305JJK	Landfill (H132)	Wayne Disposal, MI
Hazardous Waste Liquid NOS (D007)	Liquid	50 G	013403306JJK	Chemical Treatment (H070)	EQ Detroit
Ammonium Dihydrogenfluoride Solid	Solid	400 P	013403306JJK	Storage and Transfer (H141)	EQ Detroit

Corrosive Solid, Basic, Inorganic	Solid	1,200 P	013403306JJK	Stabilization(H110)	EQ Detroit
Waste Nitric Acid(D002)	Liquid	100 G	013404789JJK	Storage and Transfer (H141)	EQ Detroit
Waste Toxic Liquid, Inorganic (D007)	Liquid	100 G	013404789JJK	Chemical Treatment (H070)	EQ Detroit
Waste Toxic Solid, Inorganic (D007)	Solid	500 P	013404789JJK	Chemical Treatment (H070)	EQ Detroit
Waste Corrosive Liquid, Oxidizing(D001)	Liquid	600 G	013404790JJK	Stabilization(H110)	EQ Detroit
Waste Corrosive Solid, Basic, Inorganic (D001)	Solid	5,500 P	013404790JJK	Stabilization(H110)	EQ Detroit
Waste Oxidizing Liquid (D001)	Liquid	1,050 G	013404790JJK	Stabilization(H110)	EQ Detroit
Waste Oxidizing Solid (D001)	Solid	6,000 P	013404790JJK		EQ Detroit
Waste Corrosive Liquid, Oxidizing(D001, D002)	Liquid	300 G	013404791JJK	Storage and Transfer (H141)	EQ Detroit
Waste Corrosive Solid, Oxidizing(D001)	Solid	500 P	013404791JJK	Storage and Transfer (H141)	EQ Detroit
Universal Waste, Fluorescent Bulbs	Solid	100 P	BOL 090914-1	Recycling	EQ Detroit

2.2 Planning Section

2.2.1 Anticipated Activities

All Removal work at the Site has been completed. No additional activities are expected.

2.2.1.1 Planned Response Activities

See Section 2.2.1.

2.2.1.2 Next Steps

All Removal work at the Site has been completed. No additional activities are expected.

2.2.2 Issues

Some materials at the Site were extremely hazardous. All proper safety protocols were used during the Removal Action.

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

2.4.1 Narrative

Verbal funding in the amount of \$250,000 to initiate the Emergency Removal Action was received on

May 8, 2014. A second verbal authorization in the amount of \$900,000 to continue and complete the Removal Action was received on May 16, 2014.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

NJDEP-BER

NJDEP-Compliance and Enforcement

4. Personnel On Site

Currently, there are no personnel at the Site. All work has been completed and the Site has been demobilized.

5. Definition of Terms

No information available at this time.

6. Additional sources of information

6.1 Internet location of additional information/report

6.2 Reporting Schedule

No further Pollution Reports for the Site are expected.

7. Situational Reference Materials

No information available at this time.